



U.S. Department
of Homeland Security

United States
Coast Guard

LOCAL NOTICE TO MARINERS MONTHLY EDITION

District: 13

Week: 27/04

Boating Safety Classes or Information: 1-800-336-BOAT (2628)

ISSUED BY: COMMANDER, THIRTEENTH COAST GUARD DISTRICT (oan)
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LIGHT LIST REFERENCE: COMDTPUB P16502.6, Light List Volume VI, 2004 Edition

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS)

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, is staffed 24 hours a day, 7 days a week. The NIS provides information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM), and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website

<http://www.navcen.uscg.gov/gps/status/default.htm>.

In addition, the NIS investigates all reports of degradation or loss of GPS, DGPS or LORAN service. Mariners are encouraged to report all degradation of radio navigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil or on the World Wide Web at: <http://www.navcen.uscg.gov>.

BROADCAST NOTICE TO MARINERS

This section contains a range of all the significant Broadcast Notice to Mariners (BNM's) on the date of this edition.

<u>Originating Unit</u>	<u>Beginning BNM</u>	<u>Ending BNM</u>
CGD THIRTEEN	D13-0711-04	D13-0735-04

ABBREVIATIONS

ACOE - Army Corps of Engineers	EST - Established Aid	KGW - Refer to Light List
ADRIFT - Buoy Adrift	EVAL - Evaluation	KGW-I - Refer to Light List
AICW - Atlantic Intracoastal Waterway	EXT - Extinguished	KRB - Refer to Light List
B - Buoy	FL - Flashing	KRB-I - Refer to Light List
BKW - Breakwater	F/S - Fog Signal	KRG - Refer to Light List
B - Refer to Light List	HAZ - Hazard to Navigation	KRG-I - Refer to Light List
BNM - Broadcast Notice to Mariner	HBR - Harbor	KRW - Refer to Light List
CG - Refer to Light List	HOR - Horizontal Clearance	KWB - Refer to Light List
CHAN - Channel	HT - Height	KWB-I - Refer to Light List
CGD - Coast Guard District	ICW - Intracoastal Waterway	KWG - Refer to Light List
CR - Refer to Light List	IMPCHA - Improper Characteristics	KWG-I - Refer to Light List
C/O - Cut Off	INL - Inlet	KWR - Refer to Light List
CONT - Contour	INOP - Not Operating	KWR-I - Refer to Light List
CONSTR - Construction	ISL - Islet	LAT - Latitude
CRK - Creek	KBG - Refer to Light List	LB - Lighted Buoy
CONST - Construction	KBG-I - Refer to Light List	LBB - Lighted Bell Buoy
DBN - Daybeacon	KBR - Refer to Light List	LHB - Lighted Horn Buoy
DBD/DAYBD - Dayboard	KBR-I - Refer to Light List	LGB - Lighted Gong Buoy
DBN/DEST - Daybeacon Destroyed	KBW - Refer to Light List	LONG - Longitude
DBN IMCH - Daybeacon Improper Characteristic	KGB - Refer to Light List	LNM - Local Notice to Mariners
DISCON - Discontinued	KGB-I - Refer to Light List	LT - Light
DMGD - Daybeacon Damaged	KGR - Refer to Light List	LT CONT - Light Continuous
	KGR-I - Refer to Light List	LWB - Lighted Whistle Buoy

MISS - Missing
MR - Refer to Light List
MR-I - Refer to Light List
N/A - Not Available
NB - Refer to Light List
N/C - Not Charted
ND - Refer to Light List
NG - Refer to Light List
NIMA - National Imagery and Mapping Agency
NL - Refer to Light List
NO - Number
NOS - National Ocean Service
NR - Refer to Light List
NW - Refer to Light List
NW - Notice Writer
NY - Refer to Light List

OBSCU - Obscured
OBST - Obstruction
OBSTR - Obstruction
PRIV - Private Aid
RBN - Radio Beacon
REBUILT - Aid Rebuilt
RECOVERED - Aid Recovered
RED - Red Buoy
REDINT - Reduced Intensity
RRL - Range Rear Light
RELIGHTED - Aid Relighted
RELOC - Relocated
RESET ON STATION - Aid Reset on Station
RFL - Range Front Light
RIV - River
SEC - Section

SG - Green Square on pile
SG-SY - Green Square with Yellow Square on pile
SHL - Shoaling
SND - Sound
STM - Statue Mile
TEMP - Temporary Aid Change
TR - Red Triangle on pile
TRLB - Temporarily Replaced by Lighted Buoy
TRLT - Temporarily Replaced by Light
TR-TY - Red Triangle with Yellow Triangle on pile
TRUB - Temporarily Replaced by Unlighted Buoy

Additional Abbreviations Specific to this LNM Edition:

LED - Light Emitting Diode

LWP - Light Watching Properly

CPA - Point of Closest Approach

SECTION I - SPECIAL NOTICES

This section contains information of special concern to the Mariner.

THIRTEENTH COAST GUARD DISTRICT - 2004 Special Local Notice to Mariners

U.S. Coast Guard District 13 has Published the 2004 Special Local Notice to Mariners. The Special Local Notice to Mariners is available for down load from the web at <http://www.uscg.mil/d13/oan/slnm2004.pdf> or <http://www.navcen.uscg.gov/lnm/d13/slnm2004.pdf>. A limited number of Special Local Notice to Mariners are available for mailing by calling (206) 220-7270.

Chart N/A

LNM: 27/04

WASHINGTON - OFF SHORE - Navigation Hazard

An overturned vessel approximately 25ft in length is reported adrift approximately 24NM west of Cape Alava in approximate position 48-09-00N 125-21-00W. The vessel is marked with a Coast Guard mooring fender and a flashing strobe light and is reported drifting southwest. Mariners are requested to use caution when transiting the area and report sightings to U.S. Coast Guard Group Port Angeles via VHF-FM Channel 16.

Chart 18480

LNM: 27/04

OREGON - OFF SHORE - Live Fire

Live firing exercises will be conducted in area W-93 from 1600Z to 1900Z and from 2000Z to 2300Z on 07 and 08 Jul 04. For additional information, contact Western Air Defense Sector at (253) 984-4604.

Chart 18580

LNM: 27/04

WASHINGTON - PORT ANGLES - Construction

Kiewit General Construction is performing work at the east side of Nipon Paper Mill at the Port Angles Graving Docks involving a floating crane and barge from 12 Jul to 03 Sep 04. The floating crane and barge will be moored with anchor lines and buoys with white lights attached. The floating crane will be monitoring VHF-FM Channels 14 and 16. Mariners are requested to use caution in the vicinity of the construction. For additional information, contact Kiewit General Construction at (360) 565-2718.

Chart 18468

LNM: 26/04

WASHINGTON - PUGET SOUND - Geoduck Harvesting

Geoduck harvesting will be conducted in the area of Freshwater Bay (west of Port Angles) Squamish Harbor and south of Hood Head (both on the west side of the Hood Canal Bridge) and at Lofall (on the south east side of the Hood Canal Bridge) from 22 Jun to 08 Oct 04. These operations will take place from 0800 until 1600 local, Monday through Friday, excluding state holidays. The Department of Natural Resources patrol boat will be onsite and monitoring VHF-FM Channel 8. Vessels transiting the area are requested to stay 300ft clear of divers. For additional information, contact Washington Department of Natural Resources at (360) 902-1100.

Chart 18465,18445

LNM: 26/04

COLUMBIA RIVER - WILLAMETTE RIVER - Construction

Ecology and Environment, Inc will be constructing a 25 acre sediment cap at river mile 7 of the Willamette River outside the navigational channel from 01 Jul to 31 Oct 04. Multiple barges will be in the area throughout the construction period. Mariners are requested to use caution in the vicinity of the construction. For additional information, contact Oregon Department of Environmental Quality at (503) 229-6748.

Chart 18526

LNM: 26/04

COLUMBIA RIVER - OFF SHORE - Research Buoys

The Scripps Institution of Oceanography has deployed the following research buoys. Each buoy is yellow with a flashing yellow 4 second light (FL Y 4s).

Buoy RN	46-26-14.7N, 124-18-04.8W
Buoy RC	46-10-01.4N, 124-11-43.4W
Buoy RN	46-03-10.7N, 124-06-01.6W

Charts 18500, 18520

LNM: 26/04

WASHINGTON - LAKE WASHINGTON - Lock Closure

The Hiram M. Chittenden Small Lock will be closed to all traffic, with the large lock remaining open to all vessels from 0700 07 Jul to 1600 local 16 Jul 04 for work on pintles on the small lock gates. For additional information, contact the Administrative Officer, Lake Washington Ship Canal at (206) 789-2622 ext 203.

Chart 18447

LNM: 25/04

WASHINGTON - HOOD CANAL - Surface / Subsurface Operations

Naval Undersea Warfare Center Division, Keyport is operating an Undersea Unmanned Vehicle (UUV) in the vicinity of Oak Head at approximate position 47-40-01N 122-49-01W during day light hours until 15 Sep 04. The U.S. Navy Barge YC-1631, a small navy boat and a Dabob Range Guard Boat will be on scene. Mariners are requested to use caution in the vicinity, and may contact Navy Barge YC -1631 on VHF-FM Channel 16 or 18. For additional information, contact Navy Barge YC-1631 at (360) 265-2243.

Chart 18458

LNM: 25/04

WASHINGTON - PUGET SOUND - Acoustic Buoys

Evans-Hamilton, Inc has deployed two acoustic doppler current meters (ADCPs) in approximate positions 47-45-44.1N 122-23-56.4W and 47-46-43.4N 122-24-40.2W. The instruments are in aluminum cages resting on the sea floor with no surface expression and will remain in place until early Sep 04. For additional information, contact Evans -Hamilton, Inc at (206) 526-5622.

Chart 18441

LNM: 25/04

SECTION II - DISCREPANCIES

This section lists all reported and corrected discrepancies related to Aids to Navigation in this edition. A discrepancy is a change in the status of an aid to navigation that differs from what is published or charted.

DISCREPANCIES (FEDERAL AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
765/ 16150	Duntze Rock Lighted Whistle Buoy 2D	MISS	18480	D13-0650-04	24/04	
8735	Coos Bay Entrance Lighted Bell Buoy 1	REDINT / 3NM TEMP LED	18587	D13-0202-04	07/04	
8755	Coos Bay North Jetty Lighted Gong Buoy 3	Off Station / 42.7 yds bearing 267.5°T	18587	D13-0164-04	06/04	
8775	Coos Bay Channel Lighted Bell Buoy 5	Off Station / 12 yds bearing 120°T	18587	D13-0260-04	10/04	
9600	Yaquina Bay Entrance Lighted Gong Buoy 3	REDINT / F/S INOP	18561	D13-0574-04	21/04	
9815	Tillamook Bay Entrance Bell Buoy 1	MISS	18521	D13-0242-04	09/04	
10015	Desdemona Sands Lighted Gong Buoy 29	MISS	18521	D13-0725-04	27/04	
10235	Pillar Rock Lower Range Front Light	EXT	18523	D13-0732-04	27/04	
10485	Westport Dike Light 60	REDINT / 3NM TEMP LED	18523	D13-0680-04	26/04	
16075	Quillayute River Approach Lighted Whistle Buoy Q	REDINT / 3NM TEMP LED	18480	D13-0883-03	30/03	
16085	Quillayute River Entrance Buoy 2	MISS	18480	D13-0306-04	12/04	
17615	Kilisut Harbor Daybeacon 8	Structure MISS / TRUB	18441	D13-0710-03	25/03	
19935	International Boundary Range C Front Light	IMPCHA / DBD Faded and Peeling	18421	D13-1191-02	38/02	

DISCREPANCIES (FEDERAL AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
10190	Harrington Point Channel Lighted Buoy 54	LWP	18521	D13-0717-04	26/04	27/04
13155	Snake River Buoy 7	LWP	18545	D13-0723-04	20/04	27/04

DISCREPANCIES (PRIVATE AIDS)

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
9185	North Slough Channel Daybeacon 4	IMPCHA	18587	D13-0478-04	18/04	
9190	North Slough Channel Daybeacon 8	IMPCHA	18587	D13-1144-02	36/02	
9195	Haynes Inlet Channel Daybeacon 1	IMPCHA	18587	D13-0479-04	18/04	
9205	Haynes Inlet Channel Daybeacon 5	IMPCHA	18587	D13-0480-04	18/04	
9210	Haynes Inlet Channel Daybeacon 7	IMPCHA	18587	D13-0481-04	18/04	
16847	Elliott Bay Fish Haven Buoy A	MISS	18449	D13-0467-04	18/04	
16848	Elliott Bay Fish Haven Buoy B	MISS	18449	D13-0466-04	18/04	
16885	Georgetown Reach Range Rear Light	IMPCHA	18449	D13-0487-04	18/04	
16720	Edmonds Fishing Reef Buoys (2)	1 of 2 buoys MISS	18441	D13-0687-04	26/04	
17060	Des Moines Marina Light B	EXT	18448	D13-0688-04	26/04	
17082	Redondo Floating Breakwater Lights (3)	IMPCHA	18448	D13-0689-04	26/04	
17129	St Paul Waterway Buoy 2	MISS	18448	D13-0477-04	18/04	
17145	Blair Waterway Lighted Buoy	TEMP DISCON	18448	D13-0484-04	18/04	
17345	Tolmie Beach State Park Buoy	MISS	18448	D13-0513-04	20/04	
17397	Boston Harbor Regulatory Buoys (7)	2 of 7 buoys MISS	18448	D13-0514-04	20/04	
19755	Pearl Island Dock Light	EXT	18421	D13-0448-04	18/04	

DISCREPANCIES (PRIVATE AIDS) CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

SECTION III – TEMPORARY CHANGES and TEMPORARY CHANGES CORRECTED

This section contains temporary changes and corrections to Aids to Navigation for this edition. When charted aids are temporarily relocated for dredging, testing, evaluation, or marking an obstruction, a temporary correction shall be listed in Section IV giving the new position.

TEMPORARY CHANGES

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
16856	Coast Guard Pier Light North	TEMP DISCON	18449	D13-0729-03	26/03	
16857	Coast Guard Pier Light South	TEMP DISCON	18449	D13-0729-03	26/03	

TEMPORARY CHANGES CORRECTED

LLNR	Aid Name	Status	Chart No	BNM Ref.	LNM St	LNM End
None						

SECTION IV – CHART CORRECTIONS

This section contains corrections to federally and privately maintained Aids to Navigation, as well as NOS corrections.

This section contains corrective actions affecting chart(s). Corrections appear numerically by chart number, and pertain to that chart only. It is up to the mariner to decide which Chart(s) are to be corrected. The following example explains the individual elements of a typical chart correction.

Chart Number ↓	Chart Edition ↓	Edition Date ↓	Last Local Notice to Mariners ↓	Horizontal Datum Reference ↓	Source of Correction ↓	Current Local Notice to Mariner ↓
18427	20 TH ed	3/18/2000	Last LNM 25/99	NAD 83	(NOS Silver Spring)	40/99
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div> <p>Chart Title: WA – ANACORTES TO SKAGIT BAY - (Temp)</p> <p>Add</p> </div> <div> <p>Ben Ure Island Light 2, Fl R 4s, 25ft 4M</p> </div> <div> <p>at</p> </div> <div> <p>48°24'12.1"N</p> </div> <div> <p>124°37'42.0"W</p> </div> </div>						
	↑ Corrective Action	↑ Object of Correction Action				↑ Position

(Temp) indicates that the chart correction action is temporary in nature. Courses and bearings are given in degrees clockwise from 000 true. Bearings of light sectors are toward the light from seaward. The nominal range of lights is expressed in nautical miles (NM) unless otherwise noted.

501	12th ed	Nov 2002	Last LNM 09/03	NAD 83	(CCGD 13)	27/04
Chart Title: WEST COAST NORTH AMERICA - MEXICO TO DIXON ENTRANCE						
	Relocate	NOAA Lighted Buoy 46002 (42-31-10.0N 130-19-10.0W)			to	42-34-36.0N 130-21-34.8W
530	30th ed	Mar 2002	Last LNM 09/03	NAD 83	(CCGD 13)	27/04
Chart Title: SAN DIEGO TO ALEUTIAN ISLANDS / HAWAIIAN ISLANDS						
	Relocate	NOAA Lighted Buoy 46002 (42-31-10.0N 130-19-10.0W)			to	42-34-36.0N 130-21-34.8W
18007	31st ed	31 Mar 2001	Last LNM 27/03	NAD 83	(CCGD 13)	27/04
Chart Title: SAN FRANCISCO TO CAPE FLATTERY						
	Relocate	NOAA Lighted Buoy 46002 (42-31-10.0N 130-19-10.0W)			to	42-34-36.0N 130-21-34.8W
18441	43rd ed	Jul 2003	Last LNM 26/04	NAD 83	(CCGD 13)	27/04
Chart Title: WA - PUGET SOUND - NORTHERN PART						
	Relocate	Port Ludlow Coast Guard Mooring Buoy (47-55-15.0N 122-40-32.0W)			to	47-55-03.0N 122-41-07.0W
18445	30th ed	Oct 2003	Last LNM 22/04	NAD 83	(CCGD 13)	27/04
Chart Title: WA - PUGET SOUND - POSSESSION SOUND TO OLYMPIA INCLUDING HOOD CANAL						
	Relocate	Port Ludlow Coast Guard Mooring Buoy (47-55-15.0N 122-40-32.0W)			to	47-55-03.0N 122-41-07.0W
18473	7th ed	Dec 2002	Last LNM 20/04	NAD 83	(CCGD 13)	27/04
Chart Title: WA - PUGET SOUND - OAK BAY TO SHILSHOLE BAY						
	Relocate	Port Ludlow Coast Guard Mooring Buoy (47-55-15.0N 122-40-32.0W)			to	47-55-03.0N 122-41-07.0W
18477	5th ed	25 Aug 2001	Last LNM 20/04	NAD 83	(CCGD 13)	27/04
Chart Title: WA - PUGET SOUND - ENTRANCE TO HOOD CANAL						
	Relocate	Port Ludlow Coast Guard Mooring Buoy (47-55-15.0N 122-40-32.0W)			to	47-55-03.0N 122-41-07.0W
18521	70th ed	Oct 2003	Last LNM 25/04	NAD 83	(NOS NW -7876)	27/04
Chart Title: OR - WA - COLUMBIA RIVER PACIFIC OCEAN TO HARRINGTON POINT						
	Add	Tabulation: Columbia River COLUMBIA RIVER CHANNEL ENTRANCE to MILLER SANDS			centered at	46-07-54.0N 123-45-55.0W
18523	54th ed	Oct 2003	Last LNM 25/04	NAD 83	(NOS NW -7875)	27/04
Chart Title: OR - WA - COLUMBIA RIVER - HARRINGTON POINT TO CRIMS ISLAND						
	Add	Tabulation: Columbia River MILLER SANDS RANGE TO GULL ISLAND TURN			centered at	46-08-44.0N 123-32-06.0W
18524	34th ed	Jun 2004	Last LNM 25/04	NAD 83	(NOS NW -7873)	27/04
Chart Title: OR - WA - COLUMBIA RIVER - CRIMS ISLAND TO ST HELENS						
	Add	Tabulation: Columbia River GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN			centered at	46-03-45.0N 122-57-49.0W
18525	34th ed	May 2004	Last LNM 25/04	NAD 83	(NOS NW -7872)	27/04
Chart Title: OR - WA - COLUMBIA RIVER - SAINT HELENS TO VANCOUVER						
	Add	Tabulation: Columbia River SAINT HELENS TURN TO TOMAHAWK BAR			centered at	45-36-47.0N 122-51-51.0W
18526	56th ed	Dec 2004	Last LNM 25/04	NAD 83	(NOS NW -7871)	27/04
Chart Title: OR - WA - PORT OF PORTLAND - INCLUDING VANCOUVER						
	Add	Tabulation: Columbia River MORGAN CHANNEL TO TOMAHAWK BAR			centered at	45-32-36.0N 122-45-19.0W

OIL RIG MOVEMENT

Drill Rigs/Vessels Removed						
<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
None						

Drill Rigs/Vessels Established						
<u>Latitude</u>	<u>Longitude</u>	<u>Block</u>	<u>Rigs/Vessel</u>	<u>Chart</u>	<u>Type</u>	<u>Status</u>
None						

SECTION V - ADVANCE NOTICES

This section contains advance notice of approved projects, changes to aids to navigation, or upcoming temporary changes such as dredging, etc. Mariners are advised to use caution while transiting these areas.

SUMMARY OF ADVANCED APPROVED PROJECTS

<u>Waterway</u>	<u>Project Date</u>	<u>Ref. LNM</u>
Washington - Grays Harbor	Aug 2004	LNM: 25/04

The **daymark** on Grays Harbor Light (LLNR 720/15530) will be disestablished on or about August 2004. Grays Harbor Lighthouse and associated buildings will be transferred under the National Historic Lighthouse Preservation Act to the Westport Maritime Museum. The light itself will continue to be a federal aid to navigation.

SECTION VI - PROPOSED CHANGES

Periodically, the Coast Guard evaluates its system of aids to navigation to determine whether the conditions for which the aids to navigation were established have changed. When changes occur, the feasibility of improving, relocating, replacing, or discontinuing aids are considered. This section contains notice(s) of non-approved, proposed projects open for comment. SPECIAL NOTE: Mariners are requested to respond in writing to the District office Attn John Barberi (206) 220-7276 unless otherwise noted (see banner page for address).

PROPOSED WATERWAY PROJECTS OPEN FOR PUBLIC COMMENT

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – PUGET SOUND – STRAIT OF JUAN DE FUCA	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Rosario Strait Traffic Lane Entrance Lighted Buoy "R" (LLNR 16340). Discontinue the flashing yellow four-second light (FL Y 4s) and install a 6-mile yellow 2.5-second (FI Y 2.5s) Light Emitting Diode (LED) Lantern.

Rosario Strait Traffic Lane Separation Lighted Buoy "RA" (LLNR 16370). Discontinue the flashing yellow four-second light (FL Y 4s) and install a 6-mile yellow 2.5-second (FI Y 2.5s) Light Emitting Diode (LED) Lantern.

Charts 18400, 18421, 18440, 18465

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – ADMIRALTY INLET AND PUGET SOUND TO SEATTLE	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Puget Sound Traffic Lane Separation Lighted Buoy "SC" (LLNR 16510). Discontinue the flashing yellow four-second light (FL Y 4s) and install a 6-mile yellow 2.5-second (FL Y 2.5s) Light Emitting Diode (LED) Lantern.

Chart 18423, 18440, 18441, 18471, 18473, 18477

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
WASHINGTON – PUGET SOUND – NORTHERN PART	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range from three (3) to four (4) nautical miles on the following aids to navigation:

Mats Mats Bay Channel Light 5 (LLNR 17670)
Mats Mats Bay Channel Light 7 (LLNR 17690)

Chart 18441

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
SNAKE RIVER – LITTLE GOOSE RESERVOIR	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range of Little Goose Reservoir Light 8 (LLNR 13730) from two (2) to four (4) nautical miles.

Change nominal range of Little Goose Reservoir Light 43 (LLNR 13895) from three (3) to four (4) nautical miles.

Chart 18521

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
COLUMBIA RIVER – PACIFIC OCEAN TO HARRINGTON POINT	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range of Desdemona Sands Channel Leading Light (LLNR 9975) from ten (10) to four (4) nautical miles.

Chart 18521

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – A APPROACHES TO YAQUINA AND DEPOE BAY	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range of Yaquina Bay Light 14 (LLNR 9675) from two (2) to four (4) nautical miles.

Change nominal range of Yaquina River Light 47 (LLNR 9775) from three (3) to four (4) nautical miles.

Chart 18561

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – SIUSLAW RIVER	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range from three (3) to four (4) nautical miles on the following aids to navigation:

Siuslaw River Light 5 (LLNR 9465)
 Siuslaw River Light 8 (LLNR 9490)
 Siuslaw River Channel Light 9 (LLNR 9495)
 Siuslaw River Channel Light 23 (LLNR 9550)

Chart 18583

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – UMPQUA RIVER	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range of Salmon Harbor Entrance Light 1 (LLNR 9290) from three (3) to four (4) nautical miles.

Chart 18584

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – COOS BAY	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range from three (3) to four (4) nautical miles on the following aids to navigation:

Coos Bay Light 17 (LLNR 8920)
 Jarvis Dike 6.8 Light 19 (LLNR 8940)
 Coos River Entrance Light 1 (LLNR 9101)

Chart 18587

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – PYRAMID POINT TO CAPE SEBASTIAN	16 July 2004		LNM: 23/04

Navigation Aids: To accommodate the installation of a Light Emitting Diode (LED) Lantern.

Change nominal range of Chetco River Entrance Light 11 (LLNR 8640) from three (3) to four (4) nautical miles.

Chart 18602

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – APPROACHES TO YAQUINA AND DEPOE BAY – Yaquina River	30 July 2004		LNM: 25/04

Navigation Aids: No longer considered necessary for safe navigation in the waterway.

Discontinue Yaquina River Light 19 (LLNR 9685).

Chart 18561

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – UMPQUA RIVER	30 July 2004		LNM: 25/04

Navigation Aids: To better mark the waterway.

Change Umpqua River Channel Daybeacon 22 (LLNR 9340) to Umpqua River Light 22 (LLNR 9340), showing a flashing red light every four seconds (FL R 4s) and triangular shaped red dayboards with a nominal range of three (3) nautical miles.

Chart 18584

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – SIUSLAW RIVER	30 July 2004		LNM: 25/04

Navigation Aids: To better mark the waterway.

Change Siuslaw River Channel Daybeacon 14 (LLNR 9520) to Siuslaw River Channel Light 14 (LLNR 9520), showing a flashing red light every six seconds (FL R 6s) and triangular shaped red dayboards with a nominal range of four (4) nautical miles.

Chart 18583

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – COOS BAY	30 July 2004		LNM: 26/04

Navigation Aids: To accommodate solarization of the range.

Change Coos Bay Entrance Range Front and Rear Lights (LLNR 8740/8745) to nighttime operation. Additionally, to improve range performance, change visible 4 degrees each side of range line to visible 1.5 degrees each side of range line.

Chart 18587

<u>Waterway</u>	<u>Closing</u>	<u>Docket No.</u>	<u>Ref. LNM</u>
OREGON – COOS BAY	30 July 2004		LNM: 26/04

Navigation Aids: To improve range performance.

Change Coos Bay Inside Range "A" Front Light (LLNR 8785) from visible all around with higher intensity on rangeline to visible 10 degrees each side of rangeline.

Change Coos Bay Inside Range "A" Rear Light (LLNR 8790) from visible 15 degrees each side of rangeline to visible 14 degrees each side of rangeline.

Chart 18587

SECTION VII - GENERAL

This section contains information of general concern to the Mariners. Mariners are advised to use caution while transiting these areas.

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 07 Sep to 2359 local 29 Oct 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 20/04

OREGON - Bridge Information

Siuslaw River

The U.S.101 Bridge at Florence need not open for the passage of vessels from 0001 local 18 Oct to 2359 local 30 Nov 04. The temporary closure is authorized for a resurfacing project on the double-leaf bascule.

Chart 18583

LNM: 26/04

OREGON - Bridge Information

Coquille River

The Bullard Ferry Bridge at Coquille River mile 3.5 has been disabled and cannot open for vessel traffic until repairs are made.

Chart 18588

LNM: 12/04

OREGON - Bridge Information (Revisions of LNM 04/04)

Willamette River

The Broadway Bridge at mile 11.7 will require 24 hour notification for openings from 27 Feb to 15 Nov 04 due to operations related to painting.

Chart 18526

LNM: 09/04

OREGON - Bridge Information

Willamette River

During the following periods the Broadway Bridge at mile 11.7 need not be opened for vessels from 0600 local on the start date to 0600 local on the end date: 7-10 Jul, 11-14, 15-18, 19-22, 23-26, 27-30, 31 Jul to 04 Aug, 05-08, 09-12, 13-16, 17-20, 21-24, 25-28, 29 Aug to 01 Sep, 02-05 Sep 04. From 07 Jul through 04 Sep 04, 24 hour notice must be provided for openings. These deviations from normal operations accommodate the ongoing paint and repair project on the bridge.

Chart 18526

LNM: 23/04

OREGON - Bridge Information

Willamette River

The Burnside Bridge at mile 12.4 need not open for the passage of vessels from 0630 to 0930 local on 18 Jul and from 0700 to 1100 local on 19 Sep 04, to accommodate public events.

Chart 18526

LNM: 14/04

OREGON - Bridge Information

Willamette River

The Hawthorn Bridge at mile 13.1 need not open for the passage of vessels from 0730 to 0830 local on 11 Jul 04, to accommodate a public event.

Chart 18526

LNM: 14/04

OREGON - Bridge Information

Coos Bay

The Coos Bay Railroad Bridge, at mile 9.0, swing span has a mechanical failure and can only be opened by tug. Mariners should provide as much notice as possible for openings until a broken drive shaft is repaired. The bridge operator monitors VHF-FM Channel 18A when bridge is in operation. The bridge operator can also be reached at (541) 912-8691.

Chart 18587

LNM: 34/03

COLUMBIA RIVER - Bridge Information

Vancouver

The dual liftspans of the Interstate 5 dual vertical lift bridges at river mile 106.5 will be effected throughout the summer of 2004 by a major mechanical-electrical rehabilitation project. From 0900 01 Jul to 0630 local 15 Jul 04 the draws need not open for the passage of vessels unless two hours notice is provided. From 0630 15 Jul to 2100 local on 06 Aug 04 the draws will not open. Scheduled openings will occur, if requested, at 2100 local on 06 and 20 Aug, 03 and 17 Sep and 01 Oct 04. The draws will not return to normal operations until 2100 local on 15 Oct 04.

Charts 18524, 18526

LNM: 12/04

COLUMBIA RIVER - Bridge Information

Hood River

The Hood River White Salmon Bridge at mile 169.8 is stuck in the closed position.

Charts 18532

LNM: 21/04

WASHINGTON - Bridge Information

Duwamish West Waterway

The Spokane Street Dual Swingspan at mile 0.3 – Vessel operators who need draw openings are requested to pass through a west span opening whenever safe passage through this half-opening is possible. The Coast Guard recognizes this limited operation for consenting vessels only. Cracking has been discovered in the vertical lift cylinder of the east span. The manufacture and replacement of this unique part will take months. Minimizing the load bearing of the cylinder may prevent a failure of the east span similar to the one that occurred in 2001 at the west span. Operators will continue to open both sides of the bridge to any vessel that requests a full opening.

Chart 18450

LNM: 11/02

WASHINGTON - Bridge Information

Lake Washington

The Montlake Bridge draw need not open for the passage of vessels from 2000 17 Jul to 0600 local 18 Jul 04 and from 2000 24 Jul to 0600 local 25 Jul 04. These closures are for a King County Metro rebuild project for overhead electrical trolley wires on Montlake Boulevard.

Chart 18447

LNM: 23/04

WASHINGTON - Bridge Information

Tacoma Narrows Bridge – (Revision of LNM 31/03)

Construction – Derrick barges will be deployed at various locations around the pier locations for the new parallel bridge near the piers of the existing Tacoma Narrows Bridge. Buoys have been deployed to mark anchor cables for retrieval this summer when caissons are floated into position for the new footing excavation. These buoys are in the process of being lighted and repainted for improved visibility. Lights may be extinguished by submersion in strong currents. A free channel 1600 feet wide currently exists. Mariners should exercise caution while passing construction activity. Further updates will be included in this publication.

Charts 18448, 18474

LNM: 32/03

WASHINGTON - Bridge Information

Tacoma Narrows Bridge – (Revision of LNM 32/03)

The Coast Guard has issued a safety zone regulation until 06 Aug 04, for all waters of the Tacoma Narrows, Puget Sound, and adjoining waters of Washington state, within a 250 yard radius around each of the following coordinates: 47-15-54N 122-32-50W and 47-16-15N 122-33-16W. No vessel will be allowed to transit this area without the permission of the Coast Guard. The Coast Guard may be reached on VHF-FM Channel 16.

Charts 18448, 18474

LNM: 06/04

WASHINGTON - Bridge Information

Everett

State Route 529 Swingspan Bridge across Steamboat Slough at Everett is inoperable due to mechanical failure until further notice.

Chart 18443

LNM: 36/03

Bridge Lighting Discrepancies:

Lights on the following bridges have been reported extinguished.

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
Umpqua River Mile 11.1	U.S. Highway 101	Reedsport OR	EXT	17 May 04	0549-04	20/04
Siuslaw River Mile 8.0	CO and PRR Bridge	Acme OR	EXT	04 Jun 04	0626-04	23/04
Swinomish Channel Mile 8.2	Highway 20 Bridge	Ancortes WA	EXT	01 Jun 04	0597-04	22/04
Swinomish Channel Mile 3.2	Rainbow Bridge	Ancortes WA	EXT	20 Jun 04	0667-04	25/04
Hylebos Waterway Mile 1.1	East 11th Street Bridge	Seattle WA	EXT	05 May 04	0489-04	19/04
Port Townsend Canal Mile 0.2	Port Townsend Canal Bridge	Port Townsend WA	EXT	04 Jun 04	0623-04	23/04
Port Orchard	Warren Ave Bridge	Bremerton WA	EXT	05 May 04	0491-04	19/04

Bridge Lighting Discrepancies Corrected:

The following bridge discrepancies have been corrected since the last Local Notice to Mariners:

Waterway and Mile	Bridge Name	Location	Status	Date reported	BNM	LNM
Agate Pass	Agate Pass Bridge	Bainbridge Island WA	EXT	27 Jun 04	0731-04	27/04

THIRTEENTH COAST GUARD DISTRICT - Request for information on the use of large-scale driftnets on the high seas

The United States Coast Guard (USCG) requests mariners be on the lookout for and report any observed driftnets or vessels engaged in driftnet fishing on the high seas (more than 200NM from shore). Sighting information may be made to any of the following Coast Guard offices:

Offices	Phone	Fax	Telex	Email
USCG Pacific Area Alameda, CA	1-800-246-7236 1-510-437-3701	1-510-437-3017	230172343	OD11/Pacarea@d11.uscg.mil
USCG 14th District Honolulu, HI	1-800-331-6176 1-808-541-2500	1-808-541-2123		D14ccdutyofficer@D14.uscg.mil
USCG 17th District Juneau, AK	1-800-478-5555 1-907-463-2000	1-907-463-2023	49615066	D17-cc@cgalaska.uscg.mil

Illegal high seas driftnet (HSDN) fishing has historically been conducted in the Northwest Pacific Ocean. Mariners following great circle routes between North America and Asia are most likely to encounter this activity. Fishing activity normally takes place between 01 Apr and 31 Aug. However, illegal activity may occur in other areas and at other times of the year.

Information desired include date, time, position, description of gear/vessel, and observed activity. Video or photographs are highly desired.

HSDN Fishing Vessel Characteristics:

HSDN fishing vessels typically range from 120 to 200 feet in length and are usually in fair to poor condition. Distinguishing characteristics include:

Net tube: A large, usually white tube, which extends from the working deck to the net bin located aft. This tube is about two feet in diameter, runs along the port or starboard side of the superstructure, and is clearly visible from both the surface and air.

Net bin: A structure normally located on an aft deck in which the nets are stored.

Net spreader: A triangular or roller net spreading device, which prevents the net from becoming entangled as it enters the water. While only visible from the stern, this is one characteristic, which clearly distinguishes a HSDN fishing vessel from a longline or other fishing vessel.

Transponders: The radio transponders are approximately 4-6 ft tall, are used to mark the end of a net and are normally stored in racks on the weather decks.

When the net is in the water, it is normally suspended using cylindrical floats spaced every few feet, similar to swimming pool lane markers, with the ends of the nets marked with radio transponders. Other types of floats may be used, including larger spherical floats about 2-3 ft in diameter. The driftnets may vary from a couple hundred yards to several nautical miles in length.

Chart N/A

LNM: 09/04

THIRTEENTH COAST GUARD DISTRICT - Reporting suspicious activity

The Department of Homeland Security (DHS) encourages the maritime public to report information concerning suspicious activity to the National Response Center (NRC) at (800) 424-8802. The U.S. Coast Guard reminds the maritime industry that they may also report information concerning activity to their Local Federal Bureau of Investigation (FBI) Joint Terrorism Task Force (JTTF) Office, <http://www.fbi.gov/contact/fo/fo.htm>, or to other appropriate authorities. Individuals can contact the DHS Watch and Warning Unit at (202) 323-3205, toll free at (888) 585-9078, or by e-mail to nipc.watch@fbi.gov.

Chart N/A

LNM: 15/03

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoy

The Oregon Health and Science University has temporarily deployed a Lighted Research Buoy (yellow can) at approximate position 46-10-30.0N 124-07-06.0W showing a Flashing Yellow 4 seconds (FL Y 4s) light. The buoy is expected to remain in place until 31 Oct 04. For additional information, contact Oregon Health and Science University at (503) 748-4059.

Chart 18521

LNM: 23/04

COLUMBIA RIVER - APPROACHES TO ASTORIA - Scientific Buoys (Revision to LNM 18/04)

Oregon State University has deployed 13 scientific buoys from bank to bank near Jim Crow Point at river mile 29 on the Columbia River. Each buoy is a system of four 7in by 15in Styrofoam floats with attached contact information. For additional information, contact Oregon State University at (541) 737-2592.

Charts 18521, 18523

LNM: 26/04

COLUMBIA RIVER - ASTORIA - Construction Projects (Revision of LNM 45/02)

Marine construction activities are scheduled near Astoria on the Oregon side of the Columbia River at the Port of Astoria's Pier III near river mile 11. This is a long-term project that is expected to last until 2005. Mariners should use caution near the 1100-foot pier, as piles may not be visible at high tide. For questions concerning the long-term Pier III project contact the Port of Astoria at (503) 325- 4521.

Chart 18521

LNM: 35/03

COLUMBIA RIVER - THE DALLES - Telemetry Barges

USGS Columbia River Research Lab deployed 20 6ft by 8ft pontoon barges, each showing flashing yellow 4 seconds (FL Y 4s) lights, located on the Oregon side, outside the shipping channel between the Dalles Dam and mile 193 on the Columbia River. An additional 28 pontoon barges were deployed in the Boat Restriction Zone (BRZ) above the Dalles Dam, each showing flashing yellow 4 seconds (FL Y 4s) lights. All the barges are to be removed prior to 31 Aug 04. For additional information, contact Columbia River Research Laboratory at (509) 538-2299 Ext 267.

Chart 18533

LNM: 15/04

COLUMBIA AND SNAKE RIVERS - 2004 Summer Seasonal Lockage Schedule for Recreational Craft

The U.S. Army Corps of Engineers, Walla Walla and Portland Districts, have implemented the 2004 summer seasonal lockage schedule effective from 15 May to 15 September 04 for the passage of recreational craft through the following navigation locks:

Walla Walla District Locks			Portland District Locks		
Navigation Lock	Location	Chart	Navigation Lock	Location	Chart
McNary Dam	Columbia River Mile 292	18539	Bonneville Dam	Columbia River Mile 145	18531
Ice Harbor Dam	Snake River Mile 9.7	18545	The Dalles Dam	Columbia River Mile 191	18533
Lower Monumental Dam	Snake River Mile 41.6	18545	John Day Dam	Columbia River Mile 216	18535
Little Goose Dam	Snake River Mile 70.3	18546			
Lower Granite Dam	Snake River Mile 107.3	18548			

When a recreational vessel lockage schedule is in effect, recreational vessels will only be allowed to lock through at the times designated for such lockages and they will take precedence over commercial vessels. Commercial vessels will continue to be locked through upon arrival except during the times specified for recreational vessel lockages. At the discretion of the lock operator, recreational vessels may be allowed to lock through with commercial craft. All vessel owner/operators lock through at their own risk. Follow the directions of the lock operator when using the locks or operating in the vicinity of the locks. The lock operator has the final authority on the suitability of a craft for lockage. Refer to the U.S. Army Corps of Engineers Safe Lockage Policy for Recreational Craft on the Columbia and Snake Rivers for additional safety requirements. For additional information on this matter or copies of the Safe Lockage policy, visit the following website: <http://www.nwp.usace.army.mil/op/s/nl> or contact the Walla Walla District at (509) 527-7115/(509) 527-7113 or the Portland District at (503) 808-4332/(503) 808-4333.

The three Portland District Locks and the five Walla Walla District Locks will use the same lockage schedule making the lockage times for the entire Columbia/Snake River system identical for recreational vessels. The following seasonal recreational craft lockage schedule will be implemented beginning 15 May 2004:

Traffic Direction	Times				
Upstream Lockages	9:00 a.m.	12:01 p.m.	3:00 p.m.	6:00 p.m.	9:00 p.m.
Downstream Lockages	9:30 a.m.	12:30 p.m.	3:30 p.m.	6:30 p.m.	9:30 p.m.

Consideration will be given for special lockages to flotillas or other unique events sponsored by yacht clubs, marinas, and other groups, provided advance (24 hours) arrangements have been made with the appropriate operations manager or their appointed representative. The following project office and operations managers should be contacted for scheduling of special lockages:

Project	Operations Managers	Phone Number	Alternate Number
Bonneville	Chief Operator on Duty	(541) 374-8323	N/A
The Dalles	Chief Operator on Duty	(541) 298-4007	N/A
John Day	Chief Operator on Duty	(541) 298-9712	N/A
McNary	Randell Ryan	(541) 922-2251	(541) 922-3214
Ice Harbor	Scott Sutliff	(509) 543-3251	(509) 547-7783
Lower Monumental	Matt Allen	(509) 282-7353	(509) 282-3218
Little Goose Project	Scott Ross	(509) 399-2233 x253	(509) 399-2233 x231
Lower Granite Project	Martin Mendiola	(509) 843-1493 x258	(509) 843-1493 x231

Chart N/A

LNM: 19/04

OREGON - PORTLAND - Regional Examination Center

Effective 06 Jul 04 the Regional Examination Center, Portland OR will conduct business by appointment only due to new security procedures and workload. Appointments can be made and confirmed by calling (503) 240-9346. For additional information, contact Regional Examination Center, Portland OR at (503) 240-9346.

Chart N/A

LNM: 24/04

OREGON / WASHINGTON - COASTAL REGION - Tsunami Reporting System

As part of the Pacific Tsunami Reporting System the following surface buoys have been deployed by NOAA. Each buoy is a 2.5-meter disk, red and white in color, with the word "TSUNAMI" on it. Each buoy has a "FL Y 4s" light.

Buoy 46404	45-51-32N, 128-46-40W
Buoy 46405	42-54-10N, 130-54-32W
Buoy D - 127	45-31-26N, 127-35-38W

Chart 501

LNM: 29/03

OREGON / WASHINGTON - COASTAL REGION - NOAA

NOAA buoys 46404 and 46405 have been temporarily discontinued.

Chart 501

LNM: 14/04

WASHINGTON - OFFSHORE - Research Buoys

The Olympic Coast National Marine Sanctuary will be deploying research buoys in the waters of the sanctuary from 17 May to 08 Oct 04. These buoys will be anchored in depths between 15 and 42 meters. Each buoy will consist of unlit, 16ft halibut longline, and aluminum poles with floats and red flags, each topped with a radar reflector. The locations of the buoys are:

Buoy	Latitude	Longitude	Planned depth
MB-1	48-19-30.0N	124-40-54.0W	15m
MB-2	48-19-18.0N	124-44-18.0W	42m
CA-1	48-09-54.0N	124-45-24.0W	15m
CA-2	48-09-54.0N	124-48-12.0W	42m
TH-1	47-52-30.0N	124-37-06.0W	15m
TH-2	47-50-42.0N	124-37-42.0W	31m
KL-1	47-35-54.0N	124-25-36.0W	15m
KL-2	47-35-36.0N	124-29-36.0W	27m
CE-1	47-21-19.0N	124-28-06.0W	42m

For additional information, contact Olympic Coast National Marine Sanctuary at (360) 457-6622.

Chart 18480

LNM: 19/04

WASHINGTON - ROSSARIO STRAIT - Research Buoys

NOAA has established three temporary yellow lighted research buoys showing the characteristic Flashing Yellow 6 seconds (FI Y 6s) for a period of 8 to 10 weeks on approximately 20 Jul 04.

Buoy 1	48-28-32.7N 122-42-40.2W
Buoy 2	48-28-35.9N 122-52-53.2W
Buoy 3	48-28-30.6N 122-42-51.9W

Chart 18421

LNM: 18/04

WASHINGTON - ELLIOTT BAY - Terminal 46 Construction (Revision to LNM 50/03)

The American Construction Company has commenced construction that includes pile driving at terminal 46 for the Port of Seattle. Pile driving work will be from 0700 to 1700 local Monday through Saturday 12 Dec 03 to the end of Aug 04. The crane DB Palouse will be moored on anchors, and crown buoys will be used to mark the anchor locations. DB Palouse will monitor VHF-FM Channel 16. All vessels are requested to minimize wake in the vicinity of construction. For additional information contact the American Construction Co at (206) 264-0701.

Chart 18449

LNM: 26/04

WASHINGTON - STRAIT OF JUAN DE FUCA - PUGET SOUND - Security Zone of Passenger Vessels (Revision to LNM 06/03)

The Coast Guard is establishing a temporary moving security zone of 500 yards surrounding passenger vessels while within the waters of Puget Sound and adjacent waters. A passenger vessel is defined as any vessel over 100 feet in length (33 meters) carrying passengers for hire such as auto ferries, cruise ships, passenger ferries, and excursion vessels. All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course and shall proceed as directed by the Official Patrol or passenger vessel master. The Official Patrol will consist of a Coast Guard patrol, Federal Law Enforcement officer or a General Authority Washington Peace Officer, Limited Authority Washington Peace Officer, Specially Commissioned Washington Peace Officer, or the passenger vessel master. This order is issued under the authority of the Ports and Waterways Safety Act, Title 33, U. S. Code 1221 et. Seq., and the regulations issued thereunder, Title 33, Code of Federal Regulations Part 165.

Physical Boundaries: The following area is a security zone: All waters of Puget Sound, Washington State east of 123-30-00W [Datum: NAD 1983] within a 500 yard radius centered on passenger vessels while they are underway, anchored or moored.

Special Rules: All vessels within 500 yards of a passenger vessel shall operate at the minimum speed necessary to maintain a safe course, and shall proceed as directed by the Official Patrol or the passenger vessel master. No vessels will be allowed to transit this area without the permission of the Coast Guard, the Official Patrol or the passenger vessel master. Penalties for violating the zone: The Ports and Waterways Safety Act prescribes that whoever violates an order issued under the act is liable to a civil penalty of not more than \$27,500 for each violation. Each day of continuing violation shall constitute a separate violation. If such a violation is willful, you are subject to a criminal penalty of not more than \$250,000 and/or six years imprisonment. This criminal penalty is classified as a class "D" felony under federal law. Contact the Coast Guard Marine Safety Office, Puget Sound at (206) 217-6215 or VHF-FM Channel 16 for more information.

Chart N/A

LNM: 32/03

WASHINGTON - PUGET SOUND - SEATTLE TO BREMERTON - Ongoing Construction of Pier 36

During ongoing construction at Pier 36 that is expected to be completed September 2005, barges will be moored on the western face of Pier 36 sporadically. Barges will be marked with white flashing lights on the west corners and extend off the face no more than 110 ft. Mariners are requested to exercise caution in the vicinity of Pier 36.

Chart 18449

LNM: 33/03

WASHINGTON - HOOD CANAL - Submerged Buoys

Naval Undersea Warfare Center Division, Keyport installed two submerged buoys 20ft from the bottom at approximate position 47-40-49N 122-49-07W and 47-40-09N 122-49-07W. The buoys will remain moored until 31 Jul 04. Mariners are requested to use caution in the vicinity to prevent fouling of fishing gear. For additional information, contact Naval Undersea Warfare Center at (360) 396-1359.

Chart 18458

LNM: 22/04

WASHINGTON - LAKE WASHINGTON - Lock Closure

The Hiram M. Chittenden Large Lock will be closed to all traffic, with the small lock remaining open to all vessels within size restrictions from 0001 20 Nov to 1600 local 03 Dec 04 for annual maintenance. For additional information, contact the Army Corps of Engineers at (206) 783-7000.

Chart 18447

LNM: 22/04

WASHINGTON - STRAIT OF JUAN DE FUCA ENTRANCE - Exposed Submarine Cable (Revision of LNM 42/01)

25 segments of exposed or partially exposed cable have been identified in the Olympic Coast National Marine Sanctuary (OCNMS). The exposed cable locations are in the vicinity of Cape Flattery to 25 NM offshore. The exposed cables pose the greatest hazard to trawling and fishing vessels. Vessels that suspect their gear is snagged on the exposed cable should call Global Crossing at (800) 409-4471. The positions and lengths of exposed cable (see LNM 45/01 for detailed information available online at <http://www.navcen.uscg.gov/lnm/d13>) are only those identified within the OCNMS. It is likely that there are additional locations of exposed cable outside of the OCNMS. The general area of exposed cable is located within the following coordinates:

Lat/Long	Lat/Long
48-26-45.0N 125-21-18.0W	48-26-45.0N 124-38-15.0W
48-21-18.0N 125-21-18.0W	48-21-18.0N 124-38-15.0W

Chart 18480

LNM: 43/01

WASHINGTON - PUGET SOUND - DUWAMISH WATERWAY - Submerged Barge (Revision of LNM 05/03)

Six barges rather than the one barge previously reported in December 2002, have sunk in the Duwamish Waterway approximately 150 yards south of the 1st Avenue Bridge and are protruding into the west side of the channel. The owner of the partially submerged barge has marked the corner in the channel with a red float and a quick flashing red light. Attempts to salvage the barge have been unsuccessful. An announcement will appear in this publication as changes occur. Contact the Army Corps of Engineers at (206) 764-3429 for more information.

Chart 18450

LNM: 16/03

WASHINGTON - PUGET SOUND - Marine Events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
07/06/2004	SUMMER EVENING TUES EVE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/07/04	SUMMER FUN I	FIDALGO BAY	ANACORTES YACHT CLUB
07/07/2004	SUMMER EVENING WED EVE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/07/2004	WIND SEEKERS SUMMER EVE B	COMMENCEMENT SOUND	WIND SEEKERS YACHT CLUB
07/07/2004	SUMMER EVENING- PHRF	MEADOW PT	CORINTHIAN YACHT CLUB
07/07/2004	SUMMER SERIES 4	BELLINGHAM BAY	BELLINGHAM BAY
07/08/2004	SUMMER EVENING-ONE DESIGN	MEADOW PT	CORINTHIAN YACHT CLUB
07/08/2004	DOWNTOWN SAILING SERIES	ELLIOTT BAY	ELLIOTT BAY MARINA
07/09/2004	RACE FOR DINNER	SHILSHOLE BAY	CHARLIE'S AT SHILSHOLE

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
07/09/2004	RACE FOR DINNER	SHILSHOLE BAY	CHARLIE'S AT SHILSHOLE
07/09/2004	MERCER ISLAND SUMMER CELEBRATION	LAKE WASHINGTON	MERCER ISLAND SUMMER CELEBRATION
07/09/2004	ANTHONY'S SYC KIRKLAND FRI	LAKE WASHINGTON	SEATTLE YACHT CLUB
07/10/2004	JACK & JILL	PUGET SOUND	CORINTHIAN YACHT CLUB
07/10/2004	FRIDAY NIGHT LOG DODGE	POSSESSION SOUND	MILLTOWN SAILING ASSOCIATION
07/10/2004	SATURDAY OPEN 1	BELLINGHAM BAY	BELLINGHAM BAY
07/12/2004	BALLARD CUP SERIES 2	SHILSHOLE BAY	SHILSHOLE BAY YACHT CLUB
07/12/2004	SLOOP TAVERN BALLARD CUP	SHILSHOLE MARINA	SLOOP TAVERN YACHT CLUB
07/13/2004	SUMMER EVENING TUES EVE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/14/04	SUMMER FUN III	FIDALGO BAY	ANACORTES YACHT CLUB
07/14/04	SUMMER FUN II	FIDALGO BAY	ANACORTES YACHT CLUB
07/14/2004	WIND SEEKERS SUMMER EVE B	COMMENCEMENT SOUND	WIND SEEKERS YACHT CLUB
07/14/2004	SUMMER EVENING- PHRF	MEADOW PT	CORINTHIAN YACHT CLUB
07/14/2004	SUMMER EVENING WED EV E	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/14/2004	HEAT WAY SERIES 1	BELLINGHAM BAY	BELLINGHAM BAY
07/15/2004	SUMMER EVENING-ONE DESIGN	MEADOW PT	CORINTHIAN YACHT CLUB
07/15/2004	DOWNTOWN SAILING SERIES	ELLIOTT BAY	ELLIOTT BAY MARINA
07/16/2004	RACE FOR DINNER	SHILSHOLE BAY	CHARLIE'S AT SHILSHOLE
07/16/2004	ANTHONY'S SYC KIRKLAND FRI	LAKE WASHINGTON	SEATTLE YACHT CLUB
07/17/2004	FRIDAY NIGHT LOG DODGE	POSSESSION SOUND	MILLTOWN SAILING ASSOCIATION
07/19-23/2004	WHIDBEY ISLAND RACE WEEK	SARATOGA PASSAGE	NORTHWEST MARINE PROD INC.
07/20/2004	SUMMER EVENING TUES EVE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/21/2004	SUMMER EVENING WED EV E	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/21/2004	MOORE INTERNATIONAL	BELLINGHAM BAY	BELLINGHAM BAY
07/21/2004	WIND SEEKERS SUMMER EVE B	COMMENCEMENT SOUND	WIND SEEKERS YACHT CLUB
07/21/2004	DES MOINES WATERLAND FESTIVAL	DES MOINES MARINA	DES MOINES WATERLAND FESTIVAL
07/22/2004	DOWNTOWN SAILING SERIES	ELLIOTT BAY	ELLIOTT BAY MARINA
07/23/2004	ANTHONY'S SYC KIRKLAND FRI	LAKE WASHINGTON	SEATTLE YACHT CLUB
07/23/2004	WHALING DAYS	SILVERDALE BAY	WHALING DAYS
07/24/2004	CLASS OF 59 FIREWORKS	MEYDENBAUER BAY	CLASS OF 59
07/24/2004	FRIDAY NIGHT LOG DODGE	POSSESSION SOUND	MILLTOWN SAILING ASSOCIATION
07/24/2004	DES MOINES WATERLAND DRAGON BOAT RACE	DES MOINES MARINA	KENT DRAGON BOAT ASSOCIATION
07/26/2004	SINGLE/DOUBLE HANDED	POSSESSION SOUND	MILLTOWN SAILING ASSOCIATION
07/26/2004	SLOOP TAVERN BALLARD CUP	SHILSHOLE MARINA	SLOOP TAVERN YACHT CLUB
07/26/2004	BALLARD CUP SERIES 3	SHILSHOLE BAY	SHILSHOLE BAY YACHT CLUB
07/27/2004	SUMMER EVENING TUES EVE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/28/2004	HEAT WAY SERIES 2	BELLINGHAM BAY	BELLINGHAM BAY
07/28/2004	SUMMER EVENING- PHRF	MEADOW PT	CORINTHIAN YACHT CLUB
07/28/2004	SUMMER EVENING WED EV E	LAKE WASHINGTON	CORINTHIAN YACHT CLUB
07/28/2004	WIND SEEKERS SUMMER EVE C	COMMENCEMENT SOUND	WIND SEEKERS YACHT CLUB
07/29/2004	DOWNTOWN SAILING SERIES	ELLIOTT BAY	ELLIOTT BAY MARINA
07/29/2004	SUMMER EVENING-ONE DESIGN	MEADOW PT	CORINTHIAN YACHT CLUB
07/30/2004	ANTHONY'S SYC KIRKLAND FRI	LAKE WASHINGTON	SEATTLE YACHT CLUB
07/30/2004	FRIDAY NIGHT LOG DODGE	POSSESSION SOUND	MILLTOWN SAILING ASSOCIATION
07/30/2004	RACE FOR DINNER	SHILSHOLE BAY	CHARLIE'S AT SHILSHOLE
07/31/2004	MOONLIGHT RACE	LAKE WASHINGTON	CORINTHIAN YACHT CLUB

OREGON - PORTLAND - Marine events

EVENT DATE	EVENT NAME	EVENT LOCATION	SPONSOR
07/10/2004	RAINIER DAYS	COLUMBIA RIVER E OF NICE CREEK @ 122 56'16"W 46 05'44"N	RAINIER DAYS
07/24/2004	MILWAUKIE CENTENNIAL	WILLAMETTE RIVER, APPX M18.5	MILWAUKIE CENTENNIAL

SECTION VIII – LIGHT LIST CORRECTIONS

An Asterisk *, indicates the column in which a correction has been made to new information

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
COLUMBIA RIVER TO DESTRUCTION ISLAND							
718	<i>Scripps Institute Wave</i>	46 51 25 N	Q (5) Y 20s			Yellow sphere shaped buoy.	Private aid. 27/04
15533	<i>Recorder Lighted Buoy</i>	124 14 40 W *					
SAN DIEGO TO ALEUTIAN ISLANDS AND HAWAIIAN ISLANDS							
765.1	<i>NOAA Data Lighted Buoy 46002</i>	42 34 36 N 130 21 35 W *	FI (4) Y 20s			Yellow boat shaped hull.	27/04
Grays Harbor							
15533	<i>Scripps Institute Wave</i>	46 51 25 N	Q (5) Y 20s			Yellow sphere shaped buoy.	Private aid. 27/04
718	<i>Recorder Lighted Buoy</i>	124 14 40 W *					
15575	<i>- Entrance Lighted Bell Buoy 9</i>	46 54 46 N 124 10 05 W *	FI G 4s		4	Green.	27/04
15600	<i>- Channel Lighted Whistle Buoy 13</i>	46 55 21 N 124 07 27 W *	FI G 4s		5 *	Green.	27/04
15630	<i>- South Reach Lighted Buoy 15A</i>	46 55 19 N 124 05 26 W *	FI G 4s		4	Green.	27/04
15675	<i>- South Reach Buoy 23</i>	46 55 35 N 124 05 26 W *				Green can.	27/04
15725	<i>- North Channel Lighted Buoy 29</i>	46 57 04 N 123 59 37 W *	FI G 4s		4	Green.	27/04
Grays Harbor North Bay							
15930	<i>- Buoy 2</i>	46 56 03 N 124 05 38 W *				Red nun.	27/04
15935	<i>- Buoy 4</i>	46 56 32 N 124 06 00 W *				Red nun.	27/04
South Bay Channel							
15981	<i>Point Chehalis Lighted Buoy 2</i>	46 54 51 N 124 07 13 W *	Q R		4 *	Red.	27/04
15990	<i>Point Chehalis Lighted Buoy 4</i>	46 54 57 N 124 06 51 W	FI R 4s		4 *	Red.	27/04

PUBLICATION CORRECTIONS

None

ENCLOSURES

Oregon - Washington - Columbia River - Dredging Operations >See Append 1<
 Columbia River - Tabulation - Columbia River Channel Entrance to Miller Sands >See Append 2<
 Columbia River - Tabulation - Miller Sands Range to Gull Island Turn >See Append 3<
 Columbia River - Tabulation - Gull Island Turn and Channel to Saint Helens Turn >See Append 4<
 Columbia River - Tabulation - Saint Helens Turn to Tomahawk Bar >See Append 5<
 Columbia River - Tabulation - Morgan Channel to Tomahawk Bar >See Append 6<
 Columbia River - Tabulation - Tomahawk Bar to Bonneville Locks >See Append 7<

If you have any questions, comments, or need additional information concerning this or other LNMs or the LNM Mailing List (e.g. additions, deletions, corrections) contact the address or phone number on the front page.

D. R. McCRIMMON, JR.
 Commander, U.S. Coast Guard
 Chief, Aids to Navigation & Waterways Management Branch
 Thirteenth Coast Guard District
 By direction of the District Commander

OREGON – WASHINGTON – COLUMBIA RIVER – Dredging Operations

Dredging operations are planned or in progress at the following locations :

Start Date	End Date	Times	Location	Dredge Vessel	Assist Vessel	Channels Monitored	Disposal Area	LNM
16 Jul 04	30 Sep 04	24 hours 7 days	<u>Hylebos Waterway</u>	Patriot		14 and 69 VHF-FM	Blair Waterway Slip 1	26/04
05 Jul 04	31 Jul 04	Daylight hours 7 days	<u>Port Orford Boat Hoist Area</u>			8 VHF-FM	Beach Disposal Site	27/04
15 Jun 04	31 Jul 04	24 hours 7 days	<u>Columbia River River Mile -2-00-00 to 2+00+00</u>	Sugar Island		13 and 16 VHF-FM	Disposal Site E	25/04
29 Jun 04	09 Jul 04	24 hours 7 days	<u>Mouth of Columbia River River Mile -2-00-00 to 02+00+00</u>	Essayons		13 and 16 VHF-FM	46-11-24.8N 124-12-40.3W	265/0 4
29 Jun 04	08 Jul 04	24 hours 7 days	<u>Columbia River River Mile 20+00+00 to 21+00+00</u>	Oregon		13 and 16 VHF-FM	Harrington Point Sump	26/04

*US Army Corps of Engineer dredges request mariners transit at their slowest safe speed to minimize wake when in the vicinity of a dredge and proceed after passing arrangements have been made.

CHART 18521								
COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE								
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 14, 2004								
* SEE FOOTNOTES						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ENTRANCE RANGE	57	55	45	42	5-04	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	46	50	46	43	6-04	2640	2.2	48
LOWER DESDEMONA SHOAL	43	44	41	36	3-04	600	3.4	40
UPPER DESDEMONA SHOAL	42	43	47	45	12-03	600	3.6	40
TANSY POINT TURN AND RANGE	39	40	39	32	3-04	600	4.8	40
ASTORIA RANGE	41	42	43	41	3-04	600	2.7	40
TONGUE POINT CHANNEL	38	41	41	41	5-04	600	2.2	40
HARRINGTON POINT RANGE	38	39	39	33	5-04	600	2.6	40
MILLER SANDS RANGE	37	43	39	34	5-04	600	2.2	40
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT * CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES. NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18523

COLUMBIA RIVER CHANNEL DEPTHS MILLER SANDS RANGE TO GULL ISLAND TURN AND CHANNEL TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 14, 2004								
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MILLER SANDS RANGE	37	43	39	34	5-04	600	2.2	40
PILLAR ROCK LOWER RANGE	37	41	40	39	5-04	600	3.0	40
PILLAR ROCK UPPER RANGE	34	41	40	40	5-04	600	1.9	40
WELCH ISLAND REACH	41	42	43	37	5-04	600	3.2	40
SKAMOKAWA CHANNEL	35	39	40	38	5-04	600	3.3	40
STEAMBOAT REACH	48	48	45	42	5-04	600	1.4	40
PUGET ISLAND RANGE AND TURN	40	41	39	37	5-04	600	3.5	40
WAUNA RANGE	38	39	39	38	5-04	600	2.2	40
DRISCOLL RANGE	40	38	40	40	5-04	600	1.7	40
WESTPORT TURN AND RANGE	38	39	41	42	5-04	600	2.0	40
WESTPORT CHANNEL	39	40	41	39	5-04	600	2.4	40
EUREKA LOWER CHANNEL	42	43	44	43	5-04	600	2.1	40
EUREKA UPPER CHANNEL	42	43	43	42	5-04	600	0.8	40
OAK POINT CHANNEL	44	46	46	44	4-04	600	2.4	40
GULL I TURN AND CHANNEL	45	48	41	37	4-04, 6-04	600	2.2	40
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES TO THE ABOVE INFORMATION								

CHART 18524

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 14, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	45	48	41	37	4, 6-04	600	2.2	40
STELLA RANGE	37	40	40	37	6-04	600	2.8	40
FISHER I CHANNEL	39	40	39	40	5-04	600	0.9	40
WALKER I CHANNEL	39	42	40	36	5-04	600	1.5	40
BARLOW PT. CHANNEL	43	44	40	39	5-04	600	1.3	40
SLAUGHTERS CHANNEL	39	41	40	40	5-04	600	2.3	40
SLAUGHTERS TURN AND CHANNEL								
OPPOSITE THE TURNING BASIN	39	39	40	39	5-04	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	35	39	40	39	5-04	600	1.7	40
COTTONWOOD ISLAND TURN	43	42	40	39	6-04	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE	41	41	41	41	6-04	600	1.6	40
KALAMA LOWER RANGE	41	39	39	31	6-04	600	1.8	40
KALAMA UPPER RANGE	39	41	40	38	6-04	600	2.2	40
BYBEE LEDGE CHANNEL	40	42	42	40	6-04	600	2.1	40
MARTIN ISLAND CHANNEL	41	41	39	38	6-04	600	2.1	40
MARTIN ISLAND RANGE	40	42	42	42	6-04	600	1.4	40
COLUMBIA CITY CHANNEL	39	41	38	39	6-04	600	1.2	40
ST. HELENS RANGE	38	39	41	38	5-04	600	2.0	40
ST. HELENS TURN	44	42	42	38	5-04	600	1.7	40
* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18525

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF JUNE 14, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	44	42	42	38	5-04	600	1.7	40
WARRIOR ROCK RANGE	38	41	39	40	5-04	600	1.3	40
DUCK CLUB TURN	37	39	42	43	5-04	600	1.4	40
HENRICI RANGE	39	39	40	39	5-04	600	2.6	40
FALES CHANNEL	41	41	40	38	5-04	600	1.1	40
KNAPP POINT CHANNEL	40	42	39	37	4-04	600	1.8	40
WILLOW LOWER RANGE	40	41	40	38	4-04	600	2.1	40
WILLOW UPPER RANGE	41	43	40	45	5-04	600	1.1	40
MORGAN BAR	41	43	49	49	5-04	600	1.0	40
MORGAN CHANNEL	46	44	41	42	5-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	46	48	47	5-04	500	1.0	40
VANCOUVER RANGE	41	42	42	41	5-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	40	38	5-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	35	38	42	41	5-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	27	25	24	5-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

CHART 18526

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 14, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	44	41	42	5-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	46	48	47	5-04	500	1.0	40
VANCOUVER RANGE	41	42	42	41	5-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	40	38	5-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	35	38	42	41	5-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	27	25	24	5-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION								

Chart 18531

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF JUNE 14, 2004							
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27
AIRPORT BAR	18	18	18	3-04	300	2.8	27
GOVERNMENT ISLAND LOWER RANGE	16	17	17	3-04	300	1.1	27
GOVERNMENT ISLAND MIDDLE RANGE	14	18	16	3-04	300	1.6	27
FISHER QUARRY CHANNEL RANGE	26	24	21	3-04	300	1.0	27
GOVERNMENT ISLAND RANGE	25	30	25	3-04	300	1.1	27
GOVERNMENT ISLAND UPPER RANGE	17	18	21	3-04	300	0.8	27
LADY ISLAND RANGE	18	21	23	3-04	300	2.1	27
LADY ISLAND CHANNEL AND UPPER RANGE	28	28	19	3-04	300	0.9	27
WASHOUGAL LOWER RANGE	21	28	28	3-04	300	1.5	27
WASHOUGAL UPPER RANGE	19	26	30	3-04	300	1.1	27
GARY ISLAND RANGE	16	15	15	3-04	300	0.9	27
REED ISLAND RANGE	18	15	14	3-04	300	2.2	27
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27
* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT							
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION							